

Title (en)

Method of and apparatus for spraying liquids onto particles.

Title (de)

Verfahren und Vorrichtung zum Besprühen von Teilchen mit Flüssigkeiten.

Title (fr)

Procédé et appareil pour pulvériser des liquides sur des particules.

Publication

EP 0052518 A2 19820526 (EN)

Application

EP 81305442 A 19811118

Priority

US 20796480 A 19801118

Abstract (en)

To uniformly and economically disperse liquids, in the form of sprays of droplets, on surfaces of particles, the particles are lifted in a hollow drum by rotation of the drum about a near horizontal axis. Inside the drum, cantilevered non-rotating shafts position one or more powered slightly conical discs selectively tiltable to disperse sprays of droplets from a central area, in which particles are lifted while centrifugally held to the drum wall and then fall freely back to the wall to start another cycle. The cycles continue until the particles have a desired quantity of liquid on all their surfaces, when the particles leave the drum at an end opposite their entry end. Wood particles can be treated with liquid resin binders, and/or wax emulsions and subsequently formed into boards.

IPC 1-7

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Cited by

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